

RoHS Compliant



BL-819/ BL-830

BLUETOOTH 1xRS232 MALE DTE - CLASS 2

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"



Features

- Class 1.1 Qualified Bluetooth device
- Suitable for ANY device with serial port
- Handshaking flow control
- Range - Office: Field: 30m Office: 10mm
- Subject to local environment conditions
- Power on Pin 9
- Integral Antenna
- Upgradeable onboard flash memory for latest Bluetooth Features
- 4 ways to Configure
- Up to 1.0 Megabaud RS232
- 9 Pin Male and Female Options

Options



BL-819:
BLUETOOTH 1xRS232
MALE DTE - CLASS 2

BL-830
BLUETOOTH 1xRS232
FEMALE DCE - CLASS 2



Description

Compact, Award winning Brainboxes RS232 Adaptor (male connector) allows any device with an RS232 port to communicate with another Bluetooth device without the need for any additional software. Ideal for Bluetooth enabling dumb RS232 devices such as dataloggers etc. with option to power from Pin 9. Based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. No visible antenna.

The brainboxes Bluetooth Range

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

Software

Microsoft signed drivers (easy installation & robust operation) for:

- Configuration Utility (for Windows)
- Remote Configuration Over Bluetooth Link
- Command line Configuration
- Bulletin Board Configuration

As well as: full product documentation, a thorough troubleshooting guide and terminal software. Detailed sample source code for many popular programming languages. Further OS support on next page.



ORDER

Description

BLUETOOTH 1xRS232 MALE DTE - CLASS 2
BLUETOOTH 1xRS232 FEMALE DCE - CLASS 2





Code

BL-819
BL-830



BLUETOOTH 1xRS232 MALE DTE - CLASS 2

BL-819/ BL-830: Full Specification

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Bluetooth General  | Bluetooth Qualification | 1.1 Qualified Qualified |
| | Class Of Device | Class |
| | Radio Frequency | 2.45 GHz |
| | Integral Antenna | Yes |
| | Receiver Sensitivity | -83 |
| | Output Power | > 0 dBm < 4 dBm |
| | Operating Distance (Typical) Metres* | Field: 30m Office: 10m |
| Bluetooth Settings      | Max Transfer rate (Kb/s) | 723 |
| | Configurable Local Device Name and Device Class | Yes |
| | Pairing Options | Enable/Disable/Link key expiry/2 proximity modes |
| | Client and Server Mode | Yes |
| | Configurable Discoverability, Security mode and PIN number | Yes |
| | PICONET & SCATTERNET capable | Yes |
| | PARK and SNIFF mode | Yes |
| Serial Port Settings | Factory Reset | Yes |
| | Baud Rate (KB/s) | 921,600 |
| | Data Bits | 8 |
| | Parity | Odd, Even, None |
| | Stop Bits | 1 or 2 |
| | Flow Control | |
| | | |
| Bluetooth Security | Encryption | 'None' , 'Point to Point' or 'Point to Point and Broadcast' |
| | PIN Authentication | PIN: Select from list or enter custom (16 character limit) |
| | Security Levels | Low, Medium & High (Security Mode 1,2 & 3) |
| General | Power Source | External Power Device: 110mA @ 5V Or Power On Pin 9: 5V - 13.6 V |
| | LEDs | Combined power and Bluetooth link LED |
| | Power Consumption | Depends on usage |
| | Weight | 0.024 kg, 0.05 pounds |
| | Size WxDxH (mm) | null |
| | RS232 Connector | 9 pin male |
| | | |
| Interface | OS Compatibility | Suitable for any device with Serial Port |
| | Configuration | Windows Utility software or Remote/terminal Config |
| Approvals | Other Approvals | AEO C-TPAT WEEE RoHS EMC: CE FCC Compliant Bluetooth Qualified TAA |
| Product Support   | Warranty | 3 Years |
| | Support | Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team |
| Additional   | OEM option | Available for bulk buy OEM |
| | Made In | Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year" |
| | Customisable | Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: sales@brainboxes.com |